

## In the Claims

1. (Currently Amended) A computer readable medium, method of comprising  
instructions for metering execution of code, the instructions comprising:  
receiving, at a protected service, a call from an application requesting  
asking for execution of a-the protected service within a first runtime  
area;  
requesting permission for the execution, wherein the request is made by the  
protected service to a metering engine operating in a second runtime  
area, wherein the request is made through a secure transmission  
layer; and  
analyzing the request, at the metering engine, wherein the analyzing  
comprises: for permission; and  
basing status of the permission on the analysis.  
referencing, within the metering engine, a service contract  
comprising rules governing operation of the protected service;  
referencing, within the metering engine, a secure store of meter data,  
wherein the meter data comprises historical data reflecting  
past operation of the protected service;  
using the rules and the meter data to decide the requested  
permission; and  
updating the metering data to reflect the analysis.

2. (Currently Amended) The computer readable medium method of claim 1,  
wherein the ~~analysis is made within a second runtime area separate from~~  
~~the first runtime area~~ service contract is selected from among multiple  
service contracts.
3. (Currently Amended) The computer readable medium method of ~~claim~~  
2claim 1, wherein the first and second runtime areas reside in different  
partitions of memory.
4. (Currently Amended) The computer readable medium method of ~~claim~~  
2claim 1, wherein the first runtime area is located at a first computing  
device and the second runtime area is located at a second computing device.
5. (Currently Amended) The computer readable medium method of claim 1,  
wherein ~~analyzing the request comprises using a contract and the meter data~~  
~~as inputs~~ comprises a number of times a protected service has been called.
6. (Currently Amended) The computer readable medium method of claim 5,  
~~additionally comprising updating wherein~~ the meter data ~~to reflect the~~  
~~analysis~~ contains information relevant to more than one protected service.
7. (Currently Amended) The computer readable medium method of claim 1,  
wherein requesting permission comprises opening a secure connection

1 between the protected service and a metering engine configured to perform  
2 the analysis.

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4 8. (Currently Amended) The ~~method~~ computer readable medium of claim 1,  
5 wherein requesting permission comprises sending an encrypted message  
6 from the protected service in the first runtime area to ~~a~~ the metering engine  
7 within the second runtime area.

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9 9. (Currently Amended) The computer readable medium ~~method~~ of claim 1,  
10 wherein the permission was given, additionally comprising:  
11 executing the protected service; and  
12 returning results of the execution to ~~an~~ the application ~~that initiated the call~~.

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14 10. (Currently Amended) The computer readable medium ~~method~~ of claim 1,  
15 wherein the permission was not given, additionally comprising returning  
16 notice of failure to execute the protected service to an application that  
17 initiated the call.

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19 11. (Currently Amended) A processor-readable medium comprising processor-  
20 executable instructions for metering execution of code, the processor-  
21 executable instructions comprising instructions for:  
22 receiving, at a protected service, a request call from an application asking  
23 for execution of a ~~a~~ the protected service;

1 requesting authorization to execute the protected service, wherein the  
2 authorization request is made from the protected service to a  
3 metering engine through a secure transmission layer; and  
4 analyzing, with the metering engine, a contract in view of meter data to  
5 determine if the authorization request to use the protected service by  
6 ~~an~~ the application should be allowed, wherein the analyzing  
7 comprises:  
8 referencing, within the metering engine, the contract, wherein the  
9 contract comprises rules governing operation of the protected  
10 service;  
11 referencing, within the metering engine, a secure store of meter data,  
12 wherein the meter data comprises historical data reflecting  
13 past operation of the protected service;  
14 using the rules and the meter data to decide the requested  
15 authorization; and  
16 updating the metering data to reflect the analysis.  
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- 18 12. (Original) The processor-readable medium as recited in claim 11, wherein  
19 the metering engine operates within a runtime area that is separate from a  
20 runtime area within which the protected service operates.  
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- 22 13. (Currently Amended) The processor-readable medium as recited in claim  
23 11, wherein the analyzing comprises instructions for:  
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analyzing the contract using the meter data and identity of the protected service as input to ~~an~~ the analysis; and  
~~updating the meter data to reflect the analysis.~~

14. (Cancelled)

15. (Original) The processor-readable medium as recited in claim 11, wherein the metering of code execution is performed in a managed code environment.

16. (Original) The processor-readable medium as recited in claim 11, additionally comprising, where the authorization request was allowed, instructions for:  
executing the protected service; and  
returning results of the execution to the application.

17. (Original) The processor-readable medium as recited in claim 11, additionally comprising, where the authorization request was not allowed, instructions for returning notice of failure to execute to the application.

18. (Original) The processor-readable medium as recited in claim 11, comprising further instructions for protecting communications between the protected service and the metering engine with cryptography.

19. (Currently Amended) A code-executing device, comprising:

first and second runtime areas with a secure communication channel between them;

a protected service configured to receive a request from an application for execution of the protected service within the first runtime area; and

a metering engine, configured to receive the request and to operate within the second runtime area and to return an allowance code or a rejection code in response to the request by applying rules to meter data, wherein the metering engine comprises:

an enforcement engine, configured for secure communication with the protected service;

a service contract, configured to supply the rules governing operation of the protected service, to the enforcement engine;

and

a secure store, within which the meter data is contained, wherein the secure store is configured to supply, to the enforcement engine, historical data reflecting past operation of the protected service.

20. (Canceled)

21. (Currently Amended) The code-executing device of claim 19, wherein the metering engine is configured to:

1 use identity of the protected service and data from a the secure store of  
2 meter data as input to an analysis providing return of the allowance  
3 code or the rejection code; and  
4 update the secure store of meter data to reflect the analysis.  
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6 **22.** (Original) The code-executing device of claim 19, wherein the code-  
7 executing device is a cellular telephone.  
8

9 **23.** (Original) The code-executing device of claim 19, wherein the code-  
10 executing device is configured for use within a managed code environment.  
11

12 **24.** (Original) The code-executing device of claim 19, wherein the code-  
13 executing device is a compound device, and wherein the protected service  
14 is contained on a first portion of the compound device and the metering  
15 engine is contained on a second portion of the compound device, and  
16 wherein the first portion of the compound device is remotely located from  
17 the second portion of the compound device.  
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19 **25.** (Original) The code-executing device of claim 19, additionally comprising  
20 a library of protected services, within which the protected service is  
21 contained.  
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23 **26.** (Original) The code-executing device of claim 19, additionally comprising  
24 a library of applications, within which the application is contained.  
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1 27. (Currently Amended) A computer readable medium comprising  
2 instructions for operating a managed code environment, the instructions  
3 comprising:

4 an application configured to consume services from a library of protected  
5 services;

6 a protected service, within the library of protected services, configured to  
7 receive a request from the application for execution; and

8 a metering engine, configured to return of an allowance code or a rejection  
9 code to the request based on rules governing operation of the  
10 protected service, wherein the metering engine comprises:

11 an enforcement engine, configured for secure communication with  
12 the protected service;

13 a service contract, configured to supply the rules governing  
14 operation of the protected service, to the enforcement engine;  
15 and

16 a secure store, within which the meter data is contained, wherein the  
17 secure store is configured to supply, to the enforcement  
18 engine, historical data reflecting past operation of the  
19 protected service.

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21 28. (Currently Amended) The computer readable medium ~~managed code~~  
22 ~~environment~~ of claim 27, wherein the protected service and the metering  
23 engine operate within different runtime areas.  
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1 29. (Cancel)

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3 30. (Currently Amended) The computer readable medium managed-code  
4 environment of claim 27, wherein the metering engine comprises:

5 a service contract containing the rules governing operation of the protected  
6 service;

7 a secure store of meter data; and

8 an enforcement engine is configured to return of the allowance code or the  
9 rejection code by:

10 analyzing the service contract using identity of the application,  
11 identity of the protected service, and data from the secure  
12 store of meter data as input to the analysis; and

13 updating the secure store of meter data to reflect the analysis.  
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15 31. (Currently Amended) A code-executing device for metering execution of  
16 code, the code-executing device comprising:

17 means for calling a protected service from an application;

18 means for calling a metering engine from the protected service; and

19 means for analyzing a contract to determine whether to allow or prohibit  
20 use of the protected service by the application, wherein the analyzing  
21 comprises:

22 referencing, within the metering engine, a service contract  
23 comprising rules governing operation of the protected service;  
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referencing, within the metering engine, a secure store of meter data,  
wherein the meter data comprises historical data reflecting  
past operation of the protected service;  
using the rules and the meter data to decide the requested  
permission; and  
updating the metering data to reflect the analysis.

32. (Original) The code-executing device as recited in claim 31, additionally comprising, where allowance was determined to be appropriate: means, defined in the protective service, for executing functionality requested by the application; and means for returning results of the execution to the application.

33. (Original) The code-executing device as recited in claim 31, additionally comprising, where rejection was determined to be appropriate, means for returning notice of the rejection to the application.

34. (Currently Amended) The code-executing device as recited in claim 31, wherein the means for analyzing the contract comprises: means for analyzing the contract using identity of the application, identity of the protected service, rules within the contract, and data from a secure store of meter data as input to the analysis; ~~and~~  
~~means for updating the secure store of meter data to reflect the analysis.~~

- 1 **35.** (Original) The code-executing device as recited in claim 31, wherein the  
2 means for calling the metering engine comprises:  
3 means for opening a secure connection between the protected service and  
4 the metering engine; and  
5 means for operating the protected service and the metering engine within  
6 distinct runtime areas.  
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- 8 **36.** (Original) The code-executing device as recited in claim 31, wherein the  
9 metering is performed in a managed code environment.  
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